


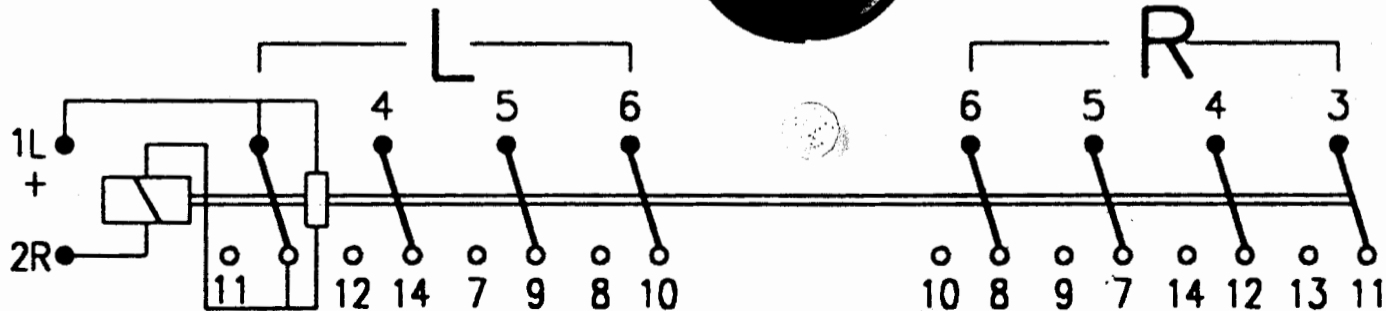
SMITT
RELAYS



0405

D8-R
125VDC

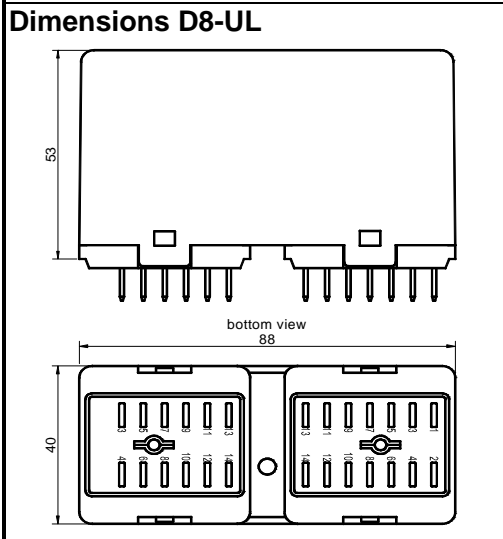
 440V/10A



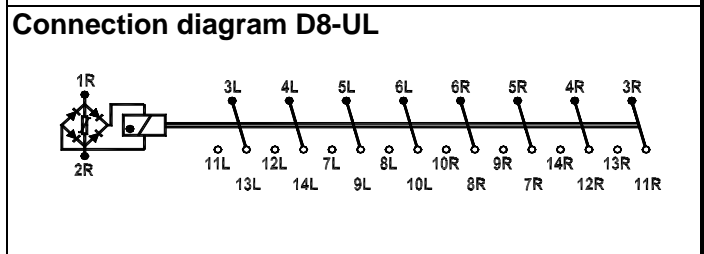
Datasheet INSTANTANEOUS RELAY

Products
D8-UL

Country of Origin
The Netherlands



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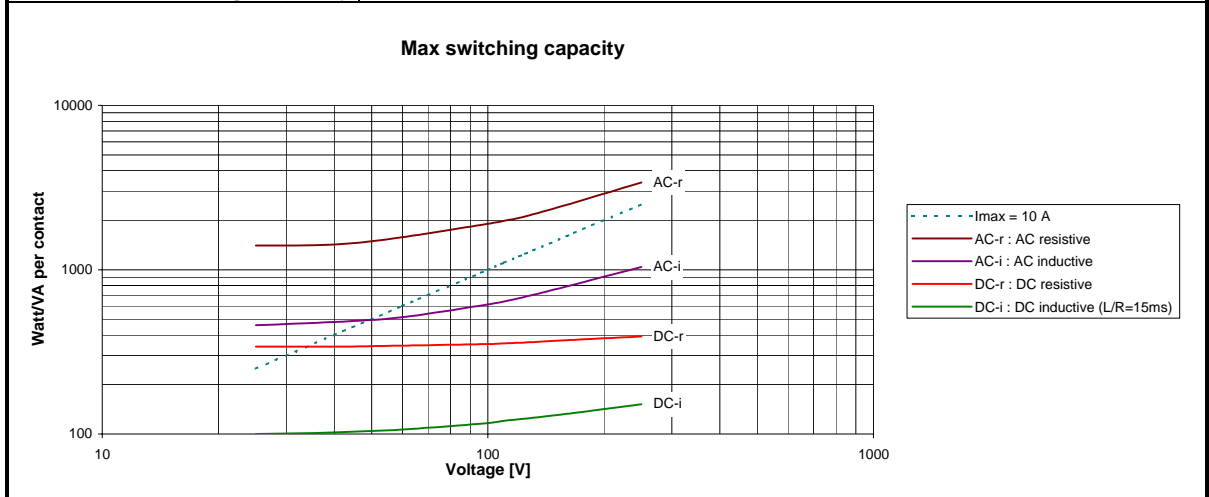


Description
 Plug-in relay with eight change-over contacts.
 Equipped with LED indication.
 Type D8-UL is a DC/ AC relay.

Coil Data
 Operating times at nominal voltage

Type	R _{coil}	
24 - 28 VDC / VAC	222 Ω	
42 - 48 VDC / VAC	680 Ω	
60 - 70 VDC / VAC	1450 Ω	
100 - 110 VDC / VAC	3790 Ω	
220 - 230 VDC / VAC	15300 Ω	
380 - 440 VDC / VAC	56800 Ω	
Pull-in	DC: 17 ms	AC: 18 ms
Drop-out	DC: 12 ms	AC: 12 ms
bounce time	DC: 5 ms	AC: 8 ms
Inductance at U_{nom} L/R =	0 ms	
Coil consumption	2.5 - 3.5 W/ VA at U_{nom}	

Contact data			
Max. Make Current	16 A	Material	Ag
Max. Cont. Current	10 A (AC1; IEC 947)	Contact gap	0.7 mm
Max. Breaking Capacity		Insulation between open contacts	2.5 kV, 50 Hz, 1 min
	D8-L 110 V, 1 A D8-UL 440 V	Contact force	> 200 mN
Min. Switching Voltage	12 V		
Max. Contact Resistance	15 mΩ		
Maximum Switching Capacity			



General Data			
Dielectric strength			
Cont-Coil	Pole-Pole Cont-Coil	IEC 255-5/	4 kV, 50 Hz, 1 min 2.5 kV, 50 Hz, 1 min
Insulation Class		IEC 255-5	serie C 380 V 50Hz/450 VDC
Pulse Withstanding		IEC 255-5	5 kV (1.2/50 μs)
Vibration		IEC 68-2-6	5 g at 50 Hz 2 g, 10-150 Hz
Shock		IEC 68-2-27	15 g, 11 ms
Mechanical life			10 ⁶ ops
Max. Switching Frequency			1200 ops/h
Weight			330 g
Temperature	T _{amb,max}		+40 °C +55 °C, 1 cm detached Higher T on request
	T _{amb,min}		-25 °C
Humidity			90%, temporary permitted condensation
Protection			IP 40
Materials			Makrolon Polyester
Options	B A T BA R		Magnetic arc blow-out Trip indicator Push to test button Magnetic arc blow-out and trip indicator Fast switching